

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An optical detector comprising:  
  
a window material for transmitting light such as an infrared and an ultraviolet ray therethrough;  
  
a sealed case whose opening portion is blocked with said window material;  
  
detection elements being formed opposite to said window material in said sealed case;  
  
optical filters disposed between said window material and said detection elements, which ~~transmits~~ transmit only light composed of a predetermined band of wavelengths by thin optical films, each optical filter corresponding to each detection elements; and  
  
a shielding body supporting said optical filters and preventing any light composed of other than the predetermined band of wavelength selected by said thin optical films and light producing an interference effect during measurement from being transmitted through said optical filters.
2. (original): An optical detector as claimed in claim 1, wherein said shielding body includes housing portions for supporting said optical filters.

3. (original): An optical detector as claimed in claim 1, wherein a surface of said shielding body is positioned higher than a surface of each of said optical filters.

4. (original): An optical detector as claimed in claim 2, wherein a surface of said shielding body is positioned higher than a surface of each said optical filters.

5 (original): An optical detector as claimed in any one of claims 1 to 4, wherein said shielding body has an upper opening through which the light transmitted through said window material passes, a lower opening through which the light composed of the predetermined band of wavelength selected by said optical thin films after the light transmitted through said window material passes through said opening, and a filter receiving portion for mounting said optical filters makes contact with said filter receiving portion in said lower opening.

6. (original): An optical detector as claimed in any one of claims 1 to 4, wherein said shielding body is made of material which absorbs light.

7. (original): An optical detector as claimed in any one of claim 1 to 4, wherein a surface of said shielding body is processed by blackening for absorbing light.

8. (original): An optical detector as claimed in claim 5, wherein said shielding body is made of material which absorbs said light.

9. (original): An optical detector as claimed in claim 5, wherein a surface of said shielding body is processed by blackening for absorbing said light.

10. (new): An optical detector as claimed in claim 1, wherein a surface of said shielding body is positioned higher than a top surface, of each of said optical filters, that is nearest the window material.

11. (new): An optical detector comprising:

- a case having an opening portion;
- a window material for transmitting light therethrough, the window material disposed in the opening of the case;
- a detection element formed opposite to the window material in the case;
- an optical filter disposed between the window material and the detection element, the optical filter having an upper face facing the window material; and

a shielding body supporting the optical filter, the shielding body comprising upper edge faces that define a recessed opening in which the optical filter is disposed, and the upper edge faces are positioned closer to the window material than is the upper face of the optical filter.

12. (new): The optical detector according to claim 11, wherein the shielding body prevents the transmission of light reflected off an inside of the case from being incident on the optical filter and received by the detection element without first passing through the upper face of the optical filter.

13. (new): The optical detector according to claim 11, further comprising a plurality of detection elements formed opposite to the window material in the case, and a plurality of optical filters disposed between the window material and the detection elements, the optical filters each having an upper face facing the window material;

wherein each optical filter only transmits light composed of a respective predetermined band of wavelengths by thin optical films, each optical filter corresponding to one detection element; and

wherein the shielding body includes a plurality of recessed openings in which the optical filters are supported, and the upper edge faces of the shielding body are positioned closer to the window material than are the upper faces of the optical filters.

14. (new): The optical detector according to claim 13, wherein each recessed opening has an upper opening portion and a lower opening portion for allowing the transmission of light through the corresponding optical filter.

15. The optical detector according to claim 14, wherein the upper opening portion is larger than the lower opening portion.

16. The optical detector according to claim 13, wherein each pair of adjacent recessed openings are partitioned by a common wall member that is part of the shielding body and includes one of the upper edge faces, the common wall member preventing light from being transmitted between the pair of adjacent recessed openings.

17. (new): The optical detector according to claim 11, wherein the case is a sealed case.

18. (new): The optical detector according to claim 11, wherein the detection element is configured to detect an infrared or ultraviolet ray.